

## REMARKS

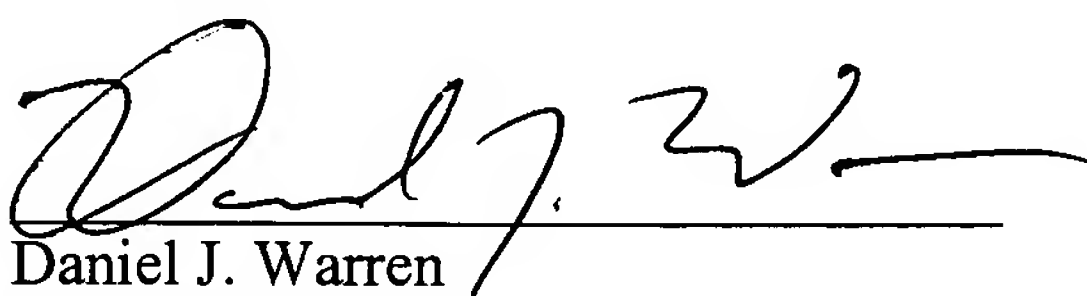
Claims 1-14 are currently pending herein with Claims 1 and 6 being independent claims. The office action, however, states that Claims 1-5 and 7-9 are pending herein. As was discussed with the Examiner, apparently, the preliminary amendment in the co-pending case, Serial No. 10/708,607, also was entered in this case. Although the cases were filed on the same day, the preliminary amendment in each case is distinct.

A copy of the application as filed by electronic means on March 15, 2004 is attached hereto as Exhibit A. A copy of the preliminary amendment also filed by electronic means on March 15, 2004 is attached hereto as Exhibit B. A copy of the acknowledgment receipt from the U.S. PTO acknowledging receipt of the application and the amendment is attached hereto as Exhibit C.

## CONCLUSION

The Applicant therefore respectfully requests entry of the preliminary amendment and consideration thereof. Allowance of all claims is respectfully solicited. Any questions may be directed to the undersigned at 404.853.8028.

Respectfully submitted,

  
Daniel J. Warren  
Reg. No. 34,272

## **SUTHERLAND ASBILL & BRENNAN LLP**

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New Atty. Docket No. 24963.0006

RESPONSE

EXHIBIT A

|  |  |
|--|--|
|  | <b>UNITED STATES PATENT AND TRADEMARK OFFICE<br/>ACKNOWLEDGEMENT RECEIPT</b> |
|--|--|

Electronic Version 1.1

Stylesheet Version v1.1.1

| <b>Title of<br/>Invention</b>                 | More Uniform Electroluminescent Displays  |  |        |                      |           |       |   |                       |      |            |  |        |   |                |  |                |                           |  |
|---|---|--|--------|----------------------|-----------|-------|---|-----------------------|------|------------|--|--------|---|----------------|--|----------------|---------------------------|--|
| <b>Submission Type:</b> Utility Patent Filing |   |  |        |                      |           |       |   |                       |      |            |  |        |   |                |  |                |                           |  |
| <b>Application Number:</b>                    |   | 10/708610  | *10/70 |                      |           |       |   |                       |      |            |  |        |   |                |  |                |                           |  |
| <b>EFS ID:</b>                                |   | 57098  |        |                      |           |       |   |                       |      |            |  |        |   |                |  |                |                           |  |
| <b>Server Response:</b>                       |   | <table border="1"><thead><tr><th>Confirmation<br/>Code</th><th>Message</th></tr></thead><tbody><tr><td>ISVR1</td><td>Submission was successfully submitted – Even if Informational or Warning Messages appear below, please do not resubmit this application</td></tr><tr><td>ICON1</td><td>2609</td></tr><tr><td>WUTL1</td><td>Filename= 19727-0008-pkda.xml BusinessRule= The patent submission does not include an us-fee-sheet ) document.</td></tr><tr><td>WGEN24</td><td>Filename= all XMLs having &lt;invention-title&gt; Business Common elements across multiple XML documents with the submission package do not have synchronized data content. #Supporting Msg:&lt;invention-title&gt; not the s having font format.</td></tr></tbody></table> |        | Confirmation<br>Code | Message   | ISVR1 | Submission was successfully submitted – Even if Informational or Warning Messages appear below, please do not resubmit this application | ICON1                 | 2609 | WUTL1      | Filename= 19727-0008-pkda.xml BusinessRule= The patent submission does not include an us-fee-sheet ) document. | WGEN24 | Filename= all XMLs having <invention-title> Business Common elements across multiple XML documents with the submission package do not have synchronized data content. #Supporting Msg:<invention-title> not the s having font format. |                |  |                |                           |  |
| Confirmation<br>Code                          | Message   |  |        |                      |           |       |   |                       |      |            |  |        |   |                |  |                |                           |  |
| ISVR1   | Submission was successfully submitted – Even if Informational or Warning Messages appear below, please do not resubmit this application   |  |        |                      |           |       |   |                       |      |            |  |        |   |                |  |                |                           |  |
| ICON1   | 2609  |  |        |                      |           |       |   |                       |      |            |  |        |   |                |  |                |                           |  |
| WUTL1   | Filename= 19727-0008-pkda.xml BusinessRule= The patent submission does not include an us-fee-sheet ) document.  |  |        |                      |           |       |   |                       |      |            |  |        |   |                |  |                |                           |  |
| WGEN24  | Filename= all XMLs having <invention-title> Business Common elements across multiple XML documents with the submission package do not have synchronized data content. #Supporting Msg:<invention-title> not the s having font format. |  |        |                      |           |       |   |                       |      |            |  |        |   |                |  |                |                           |  |
| <b>First Named Applicant:</b> Frank Tyldesley |   |  |        |                      |           |       |   |                       |      |            |  |        |   |                |  |                |                           |  |
| <b>Attorney Docket Number:</b> 19727-0008     |   |  |        |                      |           |       |   |                       |      |            |  |        |   |                |  |                |                           |  |
| <b>Timestamp:</b>                             |   | 2004-03-15 14:44:39 EDT  |        |                      |           |       |   |                       |      |            |  |        |   |                |  |                |                           |  |
| <b>From:</b>                                  |   | us   |        |                      |           |       |   |                       |      |            |  |        |   |                |  |                |                           |  |
| <b>File Listing:</b>                          |   | <table border="1"><thead><tr><th>Doc. Name</th><th>File Name</th><th>Size</th></tr></thead><tbody><tr><td>us-request</td><td>19727-0008-usrequ.xml</td><td></td></tr><tr><td>us-request</td><td>us-request.dtd</td><td></td></tr><tr><td>us-request</td><td>us-request.xsl</td><td></td></tr><tr><td>us-declaration</td><td>PreliminaryAmendment2.tif</td><td></td></tr></tbody></table>   |        | Doc. Name            | File Name | Size  | us-request  | 19727-0008-usrequ.xml |      | us-request | us-request.dtd   |        | us-request  | us-request.xsl |  | us-declaration | PreliminaryAmendment2.tif |  |
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Message Digest: e3b0b26784b7cf67c88917b16a9c87e0cc8552ec

Digital Certificate Holder Name: cn=Daniel James Warren,ou=Registered Attorneys,ou=Patent and Trademark Office,ou=Department of Commerce,o=U.S. Government,c=US

RESPONSE

EXHIBIT B

RESPONSE

EXHIBIT C





## **AMENDMENTS**

In the Specification:

Paragraph 0001, please add the following:

### **Technical Field**

Paragraph 0002, please add the following:

### **Background of the Invention**

Paragraph 0018, please add the following:

### **Summary of the Invention**

Paragraph 0080, please add the following:

These and other features of the present invention will become apparent upon review of the following detailed description of the invention when taken in conjunction with the drawings and appended claims.

### **Brief Description of the Drawings**

Paragraph 0091, please add the following:

### **Detailed Description of the Invention**

New Paragraph 0108, please add the following:

It should be apparent that the foregoing relates only to the preferred embodiments of the present invention and that numerous changes and modification may be made herein without departing from the spirit and scope of the invention as defined by the following claims and the equivalents thereof.

In the Claims:

Before Claim 1, please add the following:

I Claim:

1. (Original) An electroluminescent display of the type wherein a layer of electroluminescent material is sandwiched between but spaced from two electrode layers, and the electroluminescent material is composed of a plurality of separate areas each matching in shape and size the image which the relevant portion of the display is to show, each such area being surrounded by a layer of insulating material, in which display the colour/reflectivity of one and/or another of the electroluminescent material and the surrounding insulator material is modified - or is apparently modified - so as to match that of the other.

2. (Original) A display as claimed in Claim 1 which uses, as the electroluminescent material, a particulate phosphor.

3. (Original) A display as claimed in Claim 2, wherein the particulate phosphor is zinc sulphide in the form of encapsulated particles.

4. (Currently amended) A display as claimed in ~~any of the preceding~~ Claims 1, wherein the separately-activatable individual areas are grouped into sets of related character-defining segments each group of which can, by the activation of the appropriate segments, define any character there to be displayed.

5. (Original) A display as claimed in Claim 4, wherein each group is the standard seven-segment group commonly employed in modern electrical and electronic displays.

6. (Currently amended) A display as claimed in ~~any of the preceding~~ claims 1, wherein, to modify the colour/reflectivity of one or other (or both) of the electroluminescent material/phosphor and the surrounding dielectric material (the ceramic/insulator) to match - or appear to match - that of the other, the colour/reflectivity of the chosen material is changed to match that of the other by the material being blended with suitable colouring materials to give a colour match to the other, the match applying while the phosphor is in its "off" (unactivated) state.

7. (Original) A display as claimed in Claim 6, wherein the colour/reflectivity of each of the phosphor material and the insulating material is modified so as more closely to match each other, the phosphor material being blended with a material of one suitable colour while the insulating material is also be blended with a material of a suitable colour.

8. (Currently amended) A display as claimed in ~~any of Claims 1 to 5~~, wherein, to modify the colour/reflectivity of one or other (or both) of the electroluminescent material /phosphor and the surrounding dielectric material (the ceramic/insulator) to match - or appear to match - that of the other, there is formed between the substrate and the insulator layer an additional layer of suitably-coloured material so as effectively to mask the insulator layer from view and thus present the impression of a continuous layer when the combination is viewed through the transparent electrode.

9. (Currently amended) A display as claimed in ~~any of the preceding Claims~~ 1, wherein, to modify the colour/reflectivity of one or other (or both) of the electroluminescent material/phosphor and the surrounding dielectric material (the ceramic/insulator) to match - or appear to match - that of the other, the display is provided with a front filter/absorber layer - an overlay - of suitably-coloured transparent material so as appropriately to modify the manner in which external light entering the display from the ambient surroundings is transmitted thereinto and then reflected back.

10. (Original) A display as claimed in Claim 9, wherein the filter layer is an additional layer formed on the outside, front, surface of the substrate.

11. (Currently amended) A display as claimed in ~~either of Claims 9 and 10~~, wherein the use of a coloured filter layer is in addition to the colouring of the phosphor layer and the insulating layer.

12. (Original) A display as claimed in Claim 11, wherein the phosphor, the insulating layer, and the filter are all coloured different intensities of the same colour, and the colours are darker - more intense - the higher the intrinsic reflectivity of the component.

13. (Currently Amended) A display as claimed in ~~any of Claims 9 to 12~~, wherein the filter is positioned to cover the entire surface of the display.

14. (Currently Amended) A display as claimed in ~~any of Claims 9 to 13~~, wherein the reflectance spectrum of the filter is shifted in wavelength compared to the transmittance spectrum of the filter, so that the colour/hue of the emitted light from the phosphor is not the same as that of the reflected light from the very front - the filter - surface of the display.

15. (Cancelled.)

### REMARKS

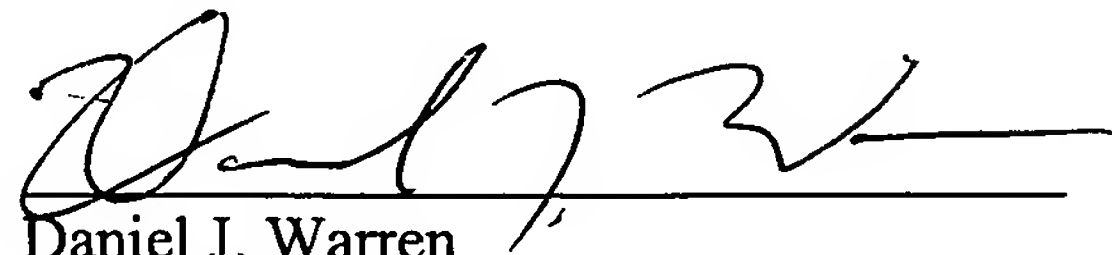
The claims have been amended herein to remove the multiple dependencies. No substantive limitations been made herein.

### CONCLUSION

The Applicant respectfully submits that the claims are allowable. Any questions can be directed to the undersigned at 404.853.8028.

This 15th day of March 2004.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Daniel J. Warren', is written over a horizontal line.

Daniel J. Warren  
Reg. No. 34,272

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Docket No.: 19727.0008